CLAIM AMENDMENTS

Please amend the claims (strikethrough and double brackets ([[ ]]) indicating deletion and underline indicating insertion) as follows:

1.   (Currently Amended)   An apparatus for determining an amount of resources to be provisioned for a wired communication link of a wireless network, the apparatus comprising:

first logic configured to receive and store information relating to a type of coding algorithm used to encode data communicated between a wireless network transmitter and a wireless device; and

second logic configured to process the information relating to the coding algorithm used to determine a probability that a given amount of resources will need to be provisioned for the wired communication link,

wherein said information is obtained at a base station controller by obtaining statistics relating to different types of coding algorithms that the base station controller used over a given period of time to encode data transmitted between the transmitter and the wireless device.

2.   (Original)   The apparatus of claim 1, wherein the second logic uses a convolution algorithm to process the information relating to the coding algorithm being used to determine said probability.

3.   (Original)   The apparatus of claim 1, wherein the second logic uses a central-limit theorem algorithm to process the information relating to the coding algorithm being used to determine said probability.

4.   (Original)   The apparatus of claim 1, wherein the apparatus is a computer, the first logic being a memory element of the computer configured to store said information and the second logic being a processor of the computer programmed to process said information to determine said probability.

5.   (Original)   The apparatus of claim 1, wherein the transceiver is a transceiver of a base station of a wireless network, and wherein said wired communication link is an Abis link between the base station transmitter and a base station controller of the wireless network.

6.   (Original)   The apparatus of claim 1, wherein the wireless network is a Universal Mobile Telecommunications System (UMTS) wireless network, said wired communication link being a wired LUB link between a Node B of a UMTS network and a Radio Network Controller of the UMTS network.

7.   (Original)   The apparatus of claim 1, wherein the wireless network is a wireless local area network (WLAN), the transmitter being a transmitter of an access point of the wireless local area network (WLAN).

8. – 10.   (Cancelled)

11.   (Currently Amended)   A method for determining an amount of resources to be provisioned for a wired communication link of a wireless network, the method comprising:

    obtaining information relating to a probability that one or more types of coding algorithms were used to encode data communicated between a transmitter of the wireless network and one or more wireless devices by measuring different types of coding algorithms that a base station controller used over a given period of time to encode data transmitted between the transceiver and the wireless device;

    after obtaining said information, receiving and storing said information relating to a probability that one or more types of coding algorithms were used to encode data communicated between a transmitter of the wireless network and one or more wireless devices; and

    processing the information to determine a probability that a given amount of resources will be needed for the communication link.

12.   (Original)   The method of claim 11, wherein said processing includes using a convolution algorithm.

13.   (Original)   The method of claim 11, wherein said processing includes using a central-limit theorem.

14.   (Original)   The method of claim 11, wherein the wired communication link is an Abis link between a base station transceiver and a base station controller.

15.   (Cancelled)

16.   (Currently Amended)   A method for determining an amount of resources to be provisioned for a wired communication link of a wireless network, the ~~The~~ method ~~of claim 11, further~~ comprising:

     ~~prior to receiving and storing the information relating to said probability~~, obtaining ~~said~~ information relating to a probability that one or more types of coding algorithms were used to encode data communicated between a transmitter of the wireless network and one or more wireless devices by calculating, based on a quality of an air interface between the transmitter and the wireless devices, different types of coding algorithms that a base station controller used over a given period of time to encode data transmitted between the transceiver and the wireless device;

     after obtaining said information, receiving and storing said information; and

     processing the information to determine a probability that a given amount of resources will be needed for the communication link.

17.   (Original)   The method of claim 11, wherein the transmitter is part of a transceiver of a base station of a wireless network, and wherein said communication link is a wired Abis link between the base station transceiver and a base station controller of the wireless network.

18.   (Original)   The method of claim 11, wherein the wireless network is a Universal Mobile Telecommunications System (UMTS) wireless network, said communication link being a wired LUB link between a Node B of a UMTS network and a Radio Network Controller of the UMTS network.

19.   (Original)   The method of claim 11, wherein the wireless network is a wireless local area network (WLAN), the transmitter being part of a transceiver of an access point of the wireless local area network (WLAN).

20.   (Currently Amended)   A computer program for determining an amount of resources to be provisioned for a wired communication link of a wireless network, the program being embodied on a computer-readable medium, the program comprising:

   a first code segment for receiving and storing information relating to a probability that one or more types of coding algorithms were used over a given period of time to encode data communicated over an air interface between a transmitter of the wireless network and one or more wireless devices, wherein said information is obtained at a base station controller by obtaining statistics relating to different types of coding algorithms that the base station controller used over a given period of time to encode data transmitted between the transmitter and the wireless device; and

   a second code segment for processing said information to determine a probability that a given amount of resources will be needed for the wired communication link.

21.   (Original)   The program of claim 20, wherein the second code segment comprises code for performing a convolution algorithm.

22.   (Original)   The program of claim 20, wherein the second code segment comprises code for performing a central-limit algorithm.